

HID Device Communication Flow

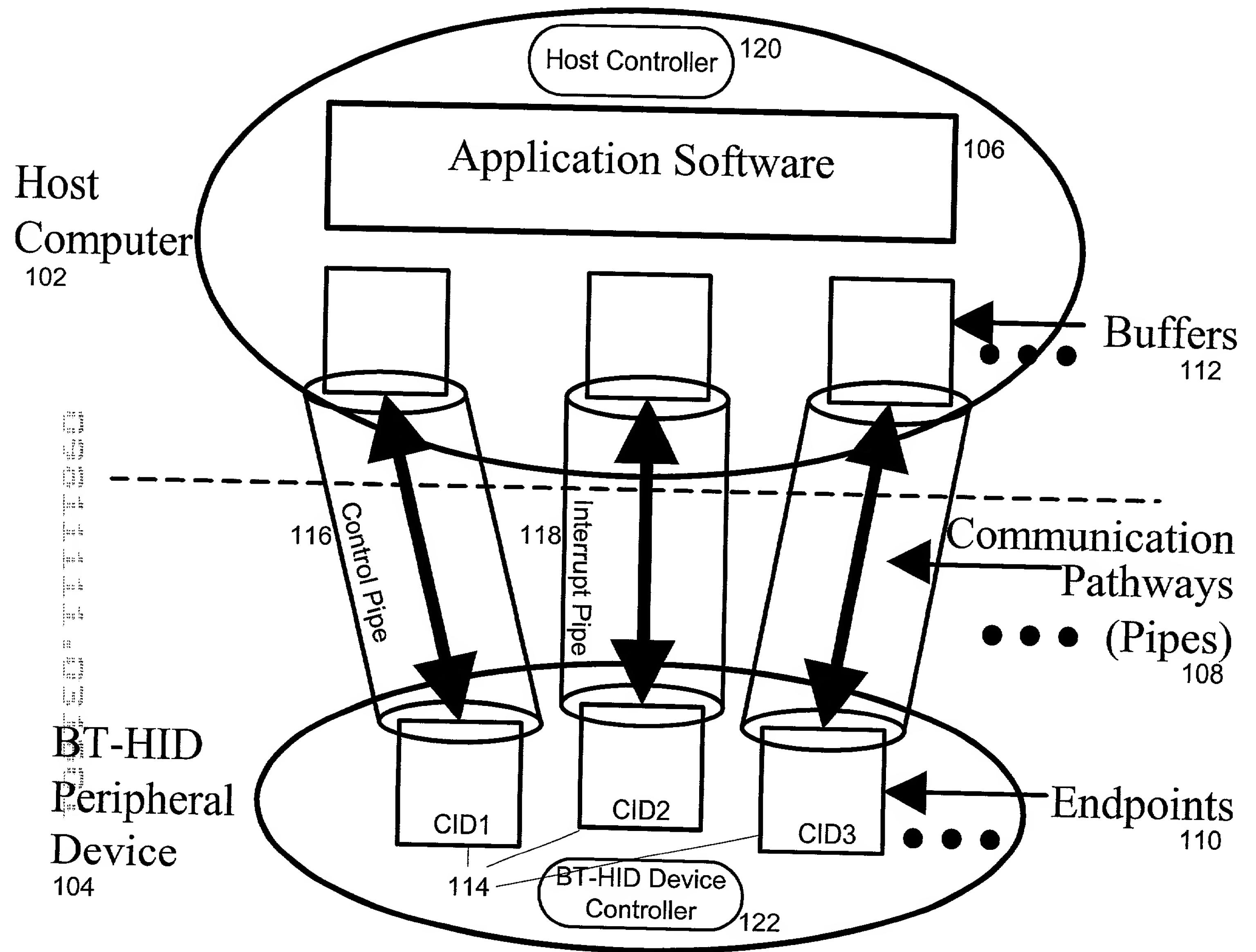


Figure 1

Bluetooth Transfer Between Host and HID Device

HID
Specification

Host
202

Device
204

Application

HID Application Specific
FW

216

HID Parser and Transport

208

HID Services

210

BT-HID mini-driver

206

L2CAP

Control

L2CAP

Control

212

214

Baseband
Bluetooth

Figure 2

Segmentation in an HID Device

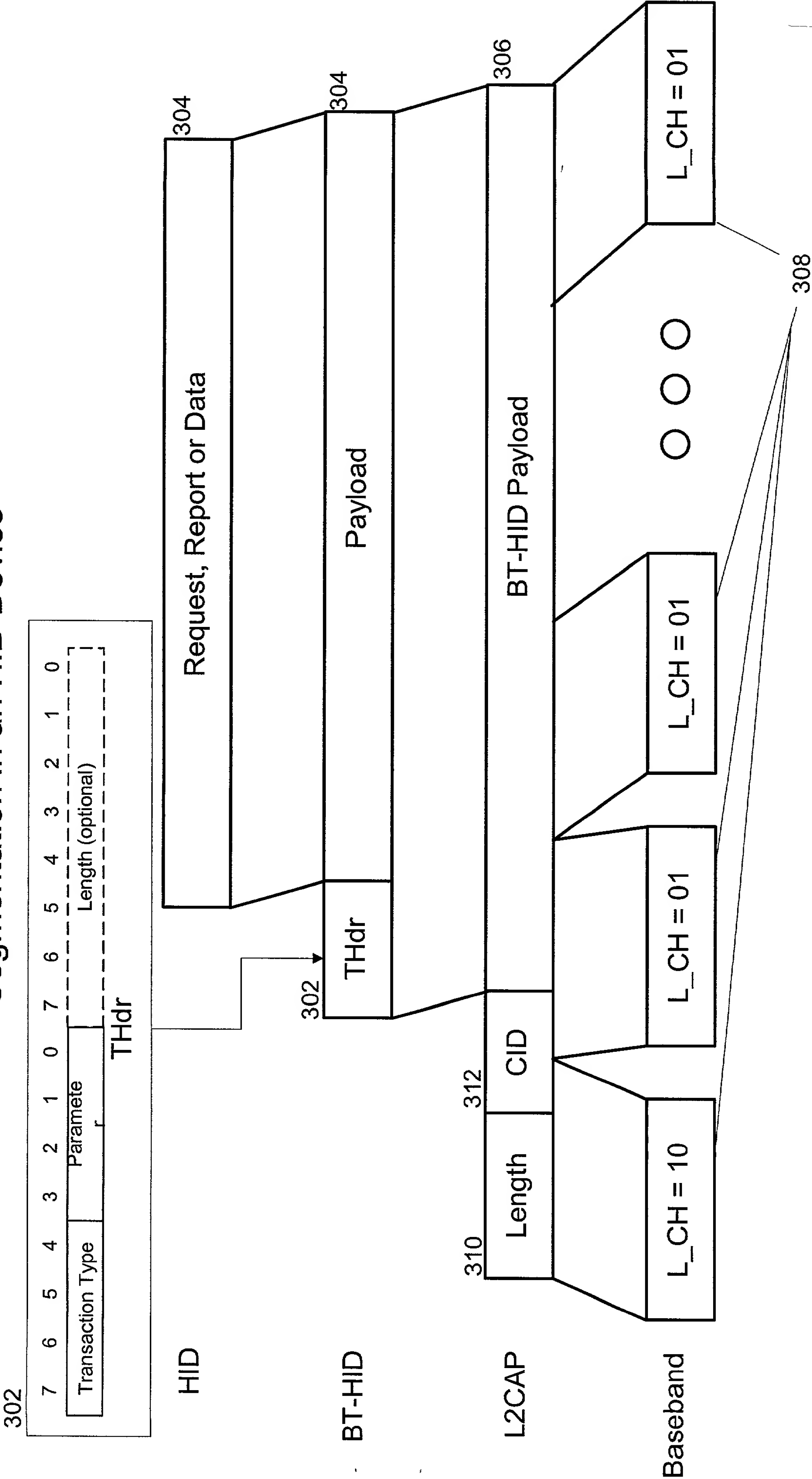


Figure 3

Concatenated Reports

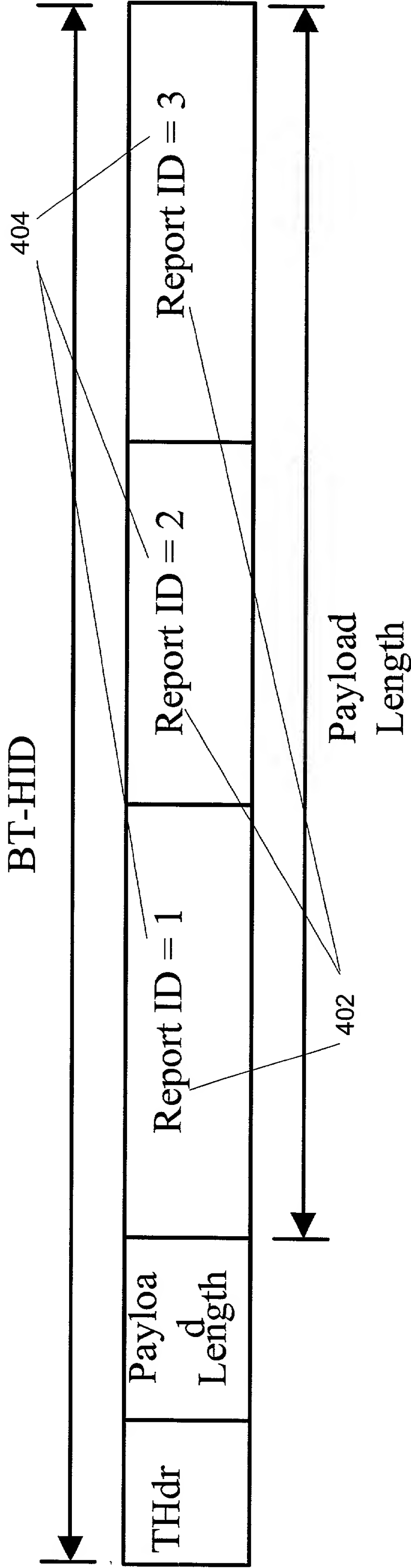
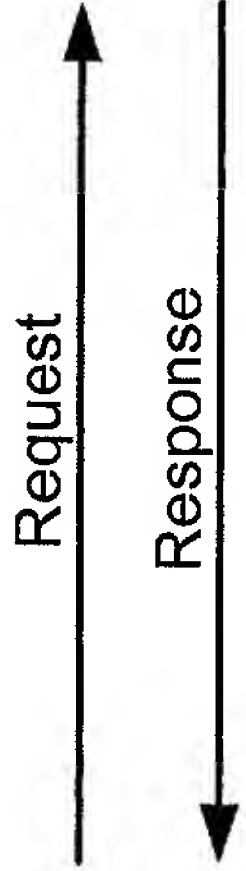


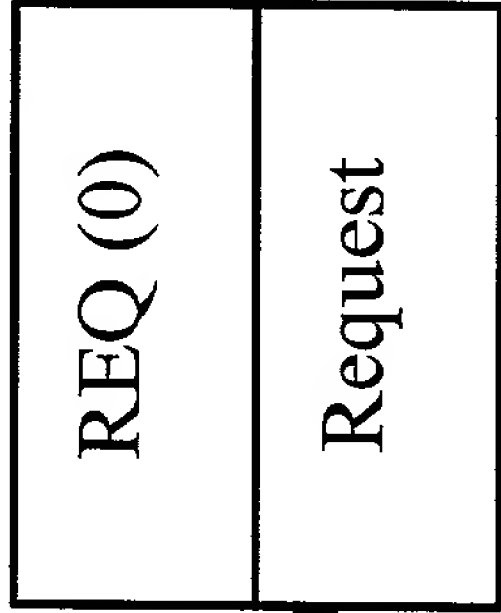
Figure 4

FIG. 5a



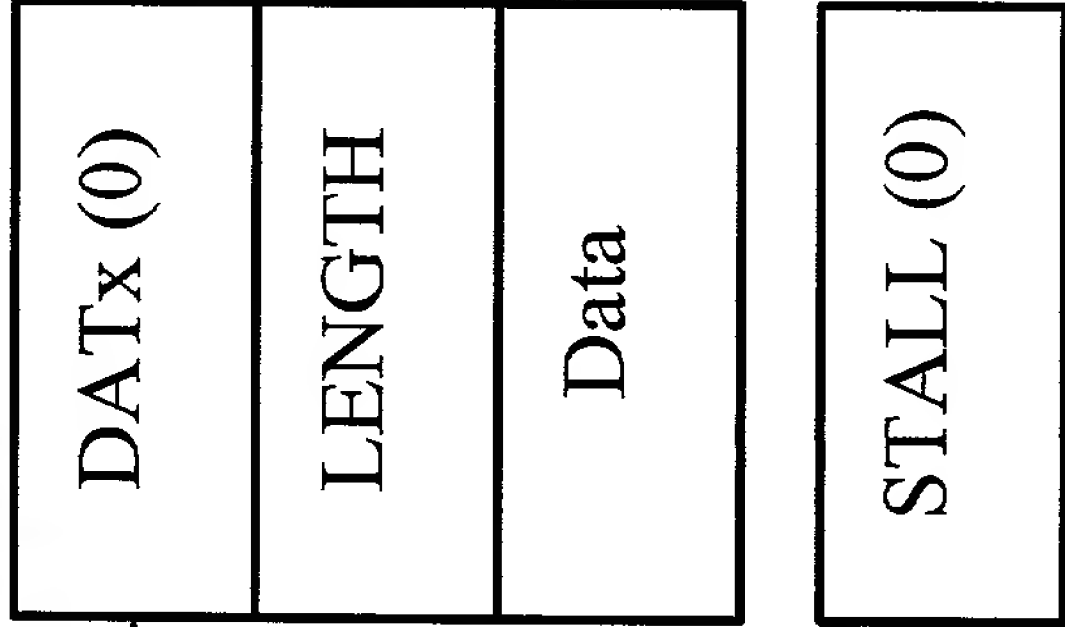
Host

Device



504

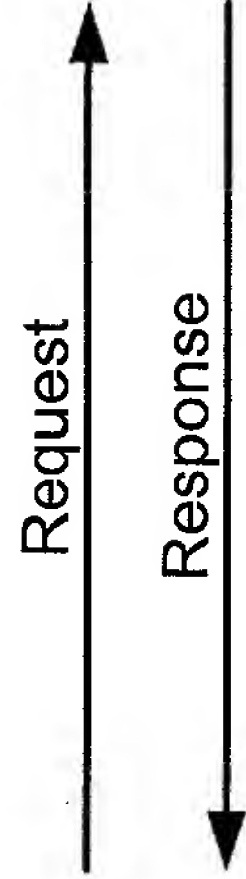
Timeout₅₀₂



STALL (0)

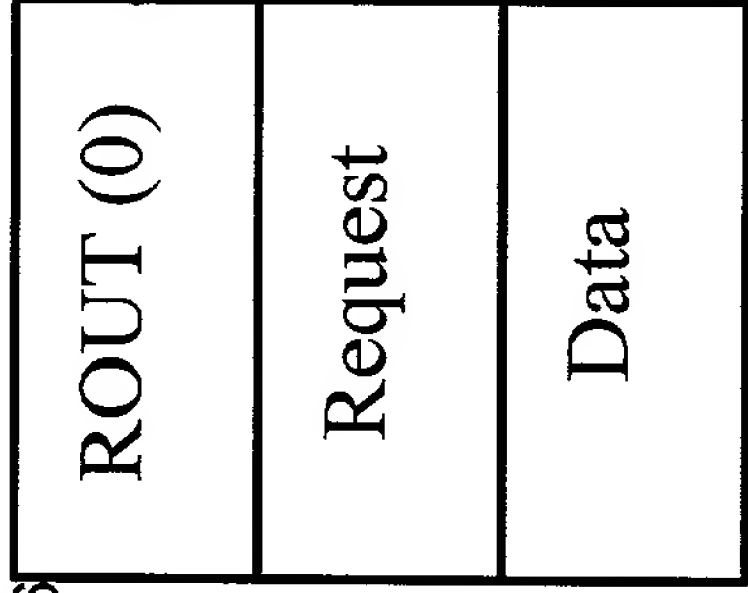
Figure 5a

FIG. 5b



Device

Host



506

Timeout₅₀₈



Figure 5b